

Title (en)
Antiherpes pentapeptides.

Title (de)
Antiherpes-Pentapeptide.

Title (fr)
Pentapeptides ayant une activité antiherpès.

Publication
EP 0408973 A1 19910123 (EN)

Application
EP 90112643 A 19900703

Priority
CA 605092 A 19890707

Abstract (en)
Disclosed herein are pentapeptide derivatives of the formula $\text{XNR}_{<1>}\text{-CH(R}_{<2>})\text{-C(O)-NH-CH(R}_{<3>})\text{-C(O)-NR}_{<4>}\text{-CH(CH}_2\text{Y)-CO-NH-CH[CR}_{<5>}\text{(R}_{<6>})\text{-COOH]}\text{-C(W)-N(H)-CH(R}_{<7>})\text{-Z}$ wherein X is a terminal group, for example, alkanoyl or phenylalkanoyl radicals, $\text{R}_{<1>}$ is alkyl or phenylalkyl, $\text{R}_{<2>}$, $\text{R}_{<3>}$ and $\text{R}_{<7>}$ are selected from the side chains of amino acid or derived amino acid residues, $\text{R}_{<4>}$, $\text{R}_{<5>}$, and $\text{R}_{<6>}$ are hydrogen or lower alkyl, W is oxo or thio, Y is carboxy, carbamyl or 5-1H-tetrazolyl and Z is carboxy or 5-1H-tetrazolyl. The derivatives are useful for treating herpes infections.

IPC 1-7
A61K 37/02; **C07K 5/10**; **C07K 7/06**

IPC 8 full level
A61K 38/00 (2006.01); **A61P 31/04** (2006.01); **A61P 31/12** (2006.01); **A61P 31/22** (2006.01); **C07K 1/06** (2006.01); **C07K 5/08** (2006.01); **C07K 5/10** (2006.01); **C07K 5/103** (2006.01); **C07K 7/06** (2006.01); **C07K 14/035** (2006.01)

CPC (source: EP)
A61P 31/04 (2017.12); **A61P 31/12** (2017.12); **A61P 31/22** (2017.12); **C07K 5/101** (2013.01); **C07K 14/005** (2013.01); **A61K 38/00** (2013.01); **C12N 2710/16622** (2013.01)

Citation (search report)
• EP 0246630 A2 19871125 - COHEN ERIC A [CA], et al
• EP 0292255 A2 19881123 - MERCK & CO INC [US]

Cited by
US5846941A; US11667613B2; LT3270B; US11072610B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0408973 A1 19910123; **EP 0408973 B1 19961023**; AT E144534 T1 19961115; AU 5877890 A 19910110; AU 644085 B2 19931202; CA 1340684 C 19990727; DE 69028953 D1 19961128; DE 69028953 T2 19970220; IL 94979 A0 19910610; IL 94979 A 19950330; JP 2877908 B2 19990405; JP H03101696 A 19910426; NZ 234374 A 19970624

DOCDB simple family (application)
EP 90112643 A 19900703; AT 90112643 T 19900703; AU 5877890 A 19900706; CA 605092 A 19890707; DE 69028953 T 19900703; IL 9497990 A 19900705; JP 17719890 A 19900704; NZ 23437490 A 19900705